

OpenNebula - Bug #4908

Live migration with fs_lvm fails

11/09/2016 03:31 PM - Alex luft

Status:	Closed	Start date:	11/09/2016
Priority:	Normal	Due date:	
Assignee:	Javi Fontan	% Done:	0%
Category:	Documentation	Estimated time:	0.00 hour
Target version:	Release 5.4	Pull request:	
Resolution:	fixed		
Affected Versions:	OpenNebula 5.2		
Description			
<p>Hi,</p> <p>Seems to me that the <code>/var/lib/one/remotes/tm/fs_lvm/premigrate</code> does not create the <code>vm</code> folder in the datastore root and does not symlink the device.</p> <p>So live migrate can't be done to a new host where the <code>vm</code> was not created on.</p> <p><code>premigrate</code> & <code>postmigrate</code> only do <code>lvchange</code> to the logical volume....</p> <p>If I create the folder and symlinks manually, migration seems to work.</p> <pre>Wed Nov 9 14:49:29 2016 [Z0][VM][I]: New state is ACTIVE Wed Nov 9 14:49:29 2016 [Z0][VM][I]: New LCM state is PROLOG Wed Nov 9 14:52:59 2016 [Z0][VM][I]: New LCM state is BOOT Wed Nov 9 14:52:59 2016 [Z0][VMM][I]: Generating deployment file: /var/lib/one/vms/7/deployment.0 Wed Nov 9 14:53:00 2016 [Z0][VMM][I]: Successfully execute transfer manager driver operation: tm_context. Wed Nov 9 14:53:00 2016 [Z0][VMM][I]: ExitCode: 0 Wed Nov 9 14:53:00 2016 [Z0][VMM][I]: Successfully execute network driver operation: pre. Wed Nov 9 14:53:02 2016 [Z0][VMM][I]: ExitCode: 0 Wed Nov 9 14:53:02 2016 [Z0][VMM][I]: Successfully execute virtualization driver operation: deploy. Wed Nov 9 14:53:02 2016 [Z0][VMM][I]: post: Executed "sudo ovs-vsctl set Port one-7-0 tag=42". Wed Nov 9 14:53:02 2016 [Z0][VMM][I]: ExitCode: 0 Wed Nov 9 14:53:02 2016 [Z0][VMM][I]: Successfully execute network driver operation: post. Wed Nov 9 14:53:02 2016 [Z0][VM][I]: New LCM state is RUNNING Wed Nov 9 15:44:59 2016 [Z0][VM][I]: New LCM state is MIGRATE Wed Nov 9 15:45:00 2016 [Z0][VMM][I]: Successfully execute transfer manager driver operation: tm_premigrate. Wed Nov 9 15:45:00 2016 [Z0][VMM][I]: ExitCode: 0 Wed Nov 9 15:45:00 2016 [Z0][VMM][I]: Successfully execute network driver operation: pre. Wed Nov 9 15:45:01 2016 [Z0][VMM][I]: Command execution fail: cat << EOT /var/tmp/one/vmm/kvm/migrate 'one-7' 'nebulahost001' 'nebulahost002' 7 nebulahost002 Wed Nov 9 15:45:01 2016 [Z0][VMM][E]: migrate: Command "virsh --connect qemu:///system migrate --live one-7 qemu+ssh://nebulahost001/system" failed: error: Cannot access storage file '/var/lib/one//datastores/104/7/disk.1' (as uid:9869, gid:9869): No such file or directory Wed Nov 9 15:45:01 2016 [Z0][VMM][E]: Could not migrate one-7 to nebulahost001 Wed Nov 9 15:45:01 2016 [Z0][VMM][I]: ExitCode: 1 Wed Nov 9 15:45:01 2016 [Z0][VMM][I]: Successfully execute transfer manager driver operation: tm_failmigrate. Wed Nov 9 15:45:01 2016 [Z0][VMM][I]: Failed to execute virtualization driver operation: migrate. Wed Nov 9 15:45:01 2016 [Z0][VMM][E]: Error live migrating VM: Could not migrate one-7 to nebulahost001 Wed Nov 9 15:45:01 2016 [Z0][VM][I]: New LCM state is RUNNING Wed Nov 9 15:45:01 2016 [Z0][LCM][I]: Fail to live migrate VM. Assuming that the VM is still RUNNING (will poll VM).</pre>			

Related issues:

Duplicated by Bug # 4950: Change fs_lvm documentation to warn about the need ...

Closed**12/15/2016****History**

#1 - 11/09/2016 07:23 PM - Alex luft

Okay... probably not a bug :) I should mount the entire datastores folder via nfs or something.

#2 - 11/14/2016 11:29 AM - Ruben S. Montero

- *Category changed from Drivers - Network to Documentation*

- *Status changed from Pending to New*

- *Target version set to Release 5.4*

Yes, the checkpoints, context disk and volatile disks are stored in file form in the system DS path. This needs to be better explained in the documentation. THANKS

#3 - 07/10/2017 09:18 AM - Ruben S. Montero

- *Assignee set to Javi Fontan*

#4 - 07/12/2017 02:35 PM - Javi Fontan

- *Duplicated by Bug #4950: Change fs_lvm documentation to warn about the need of shared system datastore added*

#5 - 07/12/2017 02:35 PM - Javi Fontan

- *Status changed from New to Closed*

- *Resolution set to fixed*